

# Status of Mu2e

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All Experimenter's Meeting

10 November 2014

# Status

- Mu2e achieved CD-3a in June 2014
  - Allowed the purchase of long-lead superconductor
- DOE Independent Cost Estimate/Review completed
  - August 2014
  - ICE civil estimate within 2% of Mu2e estimate
  - ICR of rest of project concluded, “The cost estimate is complete. The level of detail and backup information is impressive.”
  - They didn’t think we needed as much contingency as we were asking for.

# Status

- DOE CD-2/3b Review completed
  - 21-24 October
  - Mu2e sought CD-2 to baseline the project
  - Mu2e sought CD-3b for
    - Mu2e experimental hall
    - Coil Modules for Transport Solenoid
  - Committee recommended CD-2/3b after we address several minor issues
    - Should be ready for DOE sign-off before end CY2014

# DOE Recommendations

- 28 Recommendations total
  - Need to address 8 of them prior to sign-off
  - I'll discuss just those 8
- Reword Accelerator KPP
  - Done
- Formally document testing plans for TS prototype module
  - Done (mu2e-doc-4715, 4716)

# DOE Recommendations

- Put in place experienced ESH and QA leads
  - Done
    - ESH : Mike Andrews will complement Dee Hahn
    - QA : Jamila Adetunji
- Identify risks transferred to Operations.  
Document formal acceptance of those risks.
  - In Progress. We're updating documentation. Then we'll be ready to formalize with Laboratory.
  - How to formalize?

# DOE Recommendations

- Include ESH resources in schedule
  - Mu2e schedule already includes ESH resources, but we will revisit to ensure they're adequate
  - Mike and Dee will participate here
- Update PMP and PEP to more accurately describe Project/ESHQ responsibilities
  - PMP done
  - PEP a DOE document, in progress

# DOE Recommendations

- Close last open recommendation from Director's review
  - In progress
  - Concerns QA, Jamila will address
- Restart Risk Management Board Meetings
  - Done.
  - These have been occurring but have not been formally documented.
  - Held one last Friday, took minutes, posted them.

# DOE Recommendations

- Generate more FY2016 milestones
  - Done
- Demonstrate EVMS and Change Control for 2 months
  - In progress, October and November



# Summary

- Mu2e has continued making steady progress
  - Achieved CD-3a in June 2014
  - Successfully completed ICE/ICR review August 2014
- Mu2e successfully completed a DOE CD-2/3b review this past October
  - Working to address last few issues prior to seeking DOE sign-off
  - On track to be ready for sign-off by end of 2014
    - Need to understand how to document formal acceptance of operations risks by laboratory
  - Expect to begin site prep work soon